Macro View All in One Scope

26700-104-00

1. Description

Portable system ideal for inline use

This self-contained video inspection system is a compact unit, that simplifies quality checks at any stage of manufacturing or fabrication. Its all-in-one convenience, including a 2x digital zoom camera and 10-inch LCD monitor, is suited for factory floor monitoring of parts, delivered materials and assembled products. It can be moved and set up readily in production areas for spot inspections of solder joints, precision components, circuit boards and other critical process checks. Engineers or production managers can spot gaps, hairline cracks, fractures or other microscopic defects.

The macro lens enlarges objects 10x or 15x for display of clear, crisp images. LED illumination is adjustable. The system also includes a pole stand with large base.

2. Features

- Wide field of view and long working distance

- Two parfocal lenses (10x & 15x)

- Built in LED lighting with intensity control

- 2x Digital Zoom and Mirror function built into camera

- Compact and Easy to Use

3. Package Contents

- Pole Stand with Built in LED Illumination

- Camera with Macro Lens

- 10” LCD Monitor with Power Supply

- BNC Cable and Power Supply for Camera

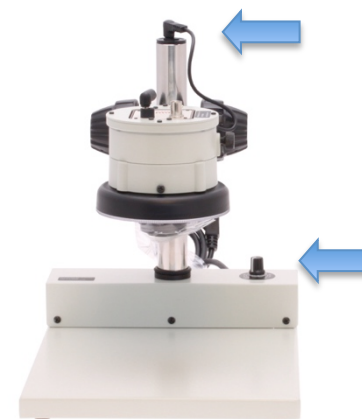| Macro View All in One Scope Specs	
Lens System	Macro with L and H setting
Illumination	White LED with Intensity Control
Camera	Color 1/4" CCD with BNC Output Resolution: 0.3M 2x Digital Zoom Mirror On/Off
Stand	Pole Stand with Built in LED Illumination with Intensity Control Base size: 220 x 284mm
On Screen Magnification	10x and 15x 20x & 30x with optional 2x Lens 40x & 60x with optional 4x Lens
Working Distance	145mm 69mm with optional 2x lens 29mm with optional 4x lens
Field of View	20 x 15mm at 10x 13.3 x 10mm at 15x

Figure 1

Top Arrow - electrical connection   Bottom Arrow - light control

3.2 Insert the stand support (Figure2) as shown below. (Figure 3)
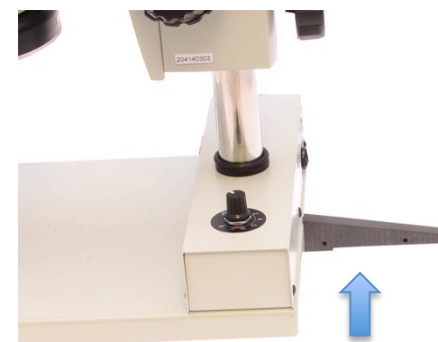

Figure 2
Stand Support

Figure 3

3. Installation

3.1 Unpack the stand from packaging and remove the protective plastic bag covering the lens. (Figure 1) Disconnect the electrical wire from the top of the stand post.

3.3 Use hex tool provided to unscrew the security screw on the monitor holder. (Figure 4)

Figure 4

3.4 Align the holes of the monitor holder to the connector on the back of the monitor. Screw in the monitor screw until almost tightened. (Figure 5)
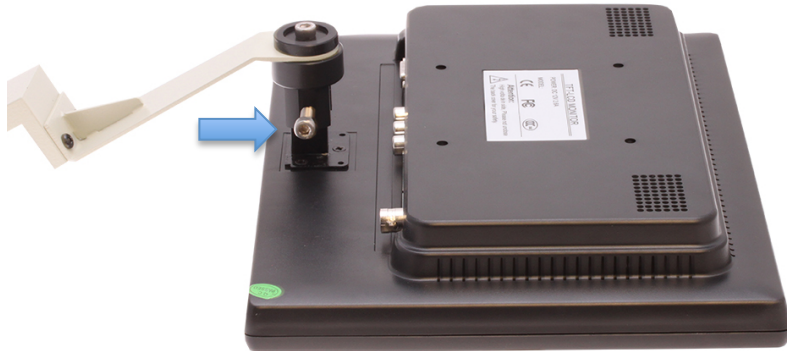

Figure 5

3.5 Slide monitor holder over vertical post of the stand. (Figure 6) Adjust to the height you desire on the vertical post. Tighten the holder to the post. Re-attach the electrical supply wire for the LED light to the post.

Re-attach Wire
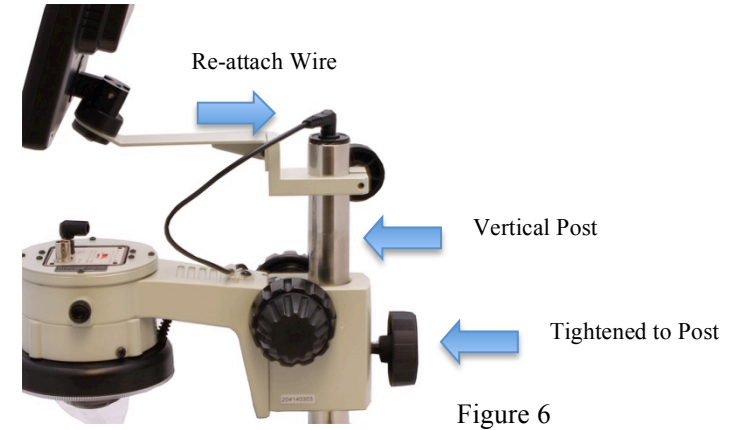
Vertical Post

Tightened to Post

Figure 6

3.6 Angle of the Monitor can be adjusted by using the hex tool to tighten to the desired tilt up or down, side to side, or position to a comfortable angle.

3.7 Remove screen protector from front of monitor.

3.8 Connect power supply (Figure 7) to power input on camera. (Figure 8)

Figure 7

Figure 8

3.9 Connect BNC cable (Figure9) to BNC connector (Figure 10).

Figure 9   Figure 10

3.10 Turn and lock the BNC cable into place. (Figure 11)

Figure 11

3.11 Connect the open end of the BNC cable to the BNC post on the back of the monitor. (Figure 12)

Figure 12

3.12 Connect the monitor power supply (Figure 13) to the DC input of the monitor.

**The monitor settings can also be adjusted.   See enclosed manual.

Figure 13

3.13 Connect the three power supplies (camera, monitor and stand) to an electrical outlet.

4. Adjusting for use

4.1 Turn on the monitor. Place object underneath the lens. You should see a magnified image on the monitor screen. Use the focus knobs on the focus mount for a sharp image. Turn on the LED light control to the desired level. (Figure 1)

4.2 Adjust Camera Settings (Figure 14) by changing position of the white tabs.
   a) ATW to Fix – Adjusts the color.
   b) ATW to AWC – Adjusts the white balance.
   c) Normal to Mirror- Flips image horizontally.
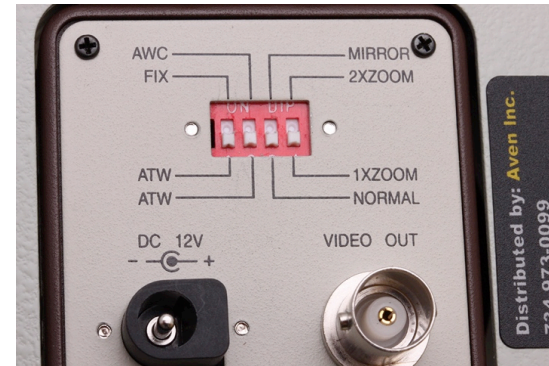   d) 1x Zoom to 2x Zoom – Adjust from 1x to 2x magnification.

Figure 14

4.3 Tension of the coarse and fine adjustment knobs can be adjusted to operator preference.   Adjust the tension on the focus knobs by hooking tension adjustment tool (Figure 15) into the indented hole.   Turn the tool clockwise or counterclockwise to adjust.
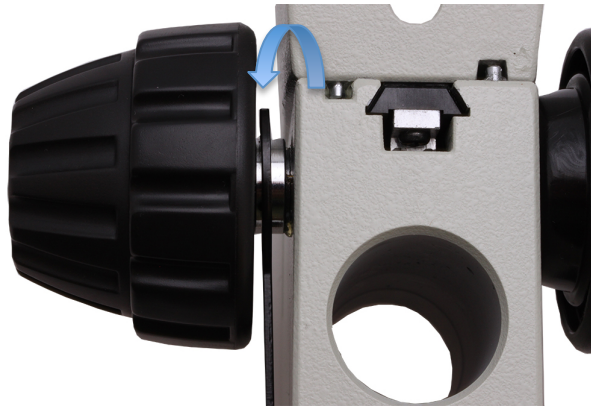

Figure 15

5. Optional Accessories

Code	Model
Auxiliary Lens 2x for Macro All in One Scope	26700-104-2x
Auxiliary Lens 4x for Macro All in One Scope	26700-104-4x